PROAVIO®
Drive Your Creativity

EB800MSV2

V2

Quick start guide

PROFESSIONAL 12G SAS STORAGE ARRAY FOR 4K WORKFLOWS

www.proavio.com

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Quick start guide

1 Welcome

Thank you for choosing Proavio

Thank you for choosing Proavio V2 , the first professional 12G SAS desktop solution designed for 4K media production and high performance/capacity desktop storage requirements.

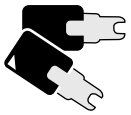
2 In the Box

Carefully unpack your V2 storage system and inventory the accessories according to your model/bundle type.

NOTE: Product bundles may include additional pieces of hardware or software.

EB800MS V2

Double-box Package - Qty 1

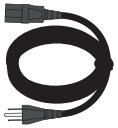


HDD Key Set - Qty 2

Hard Disk Modules .- Qty 8

Quick Start Guide - Qty 1

External SFF8644 Cable - Qty 2*



Standard IEC Power Cable - Qty 1

*Bundles Only

3 Unpack your V2

Unpack all components including the HDD mounting screws, key sets and cables. If you are missing any of the items mentioned above, please contact your dealer or contact Proavio at by visiting us at www.proavio.com.

4 Disk Installation

If your V2 was purchased as part of a bundle, please skip this section and immediately go to section 6. If your V2 was purchased without disk drives, install each disk into the provided disk modules and fasten using the supplied hdd screws. Do not use any other mounting screws other than the ones provided with your EB800MS V2 storage array.

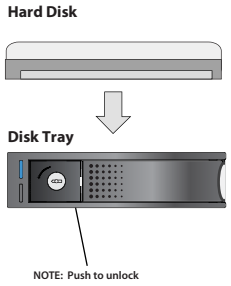
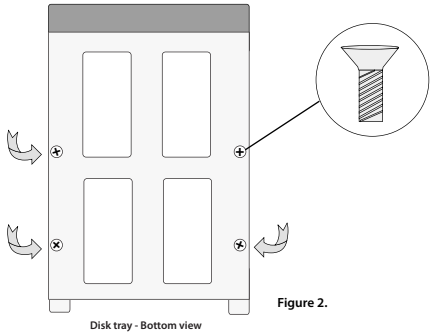


Figure 1.



Disk tray - Bottom view

Figure 2.

Compatibility: Your EB800MS V2 supports 3.5" and 2.5" SATA, SAS & SSD Disk Drives.

5 Insert Disk Module

Insert the disk modules and into your V2. For added security, your EB800MS V2 is equipped with locking disk bays to prevent accidental or malicious disk removal.

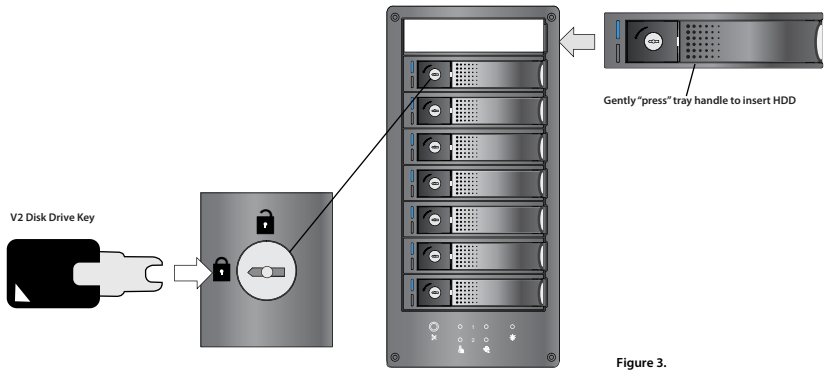


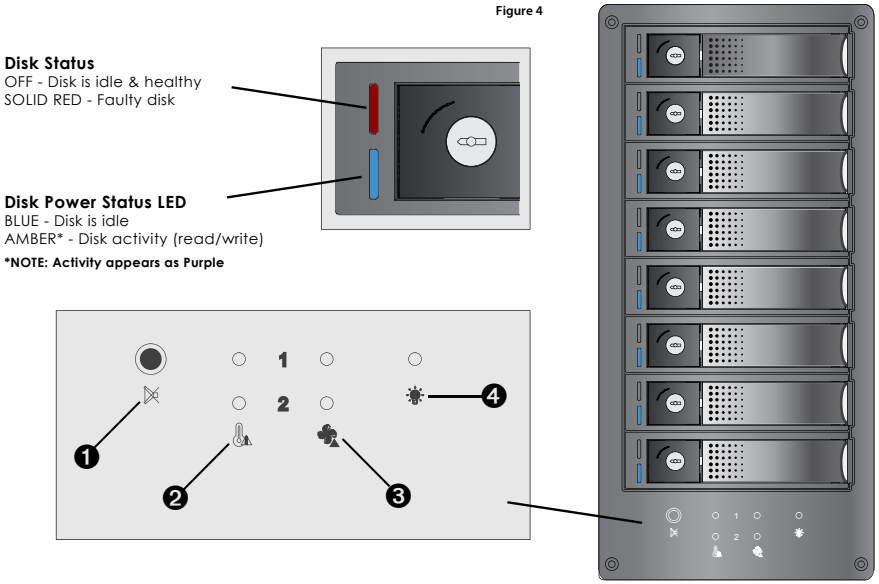
Figure 3.

Quick start guide

6 V2 System Overview - Front

This section provides information on the front features of your EB800MS V2.

Figure 4



1 Alarm MUTE Button
Press to mute fault notification alarm.

2 Temperature/Overheat Indicator
Thermal Fault Indicator 1(disk 1-4), Thermal Fault Indicator 2 (disk 5-8).

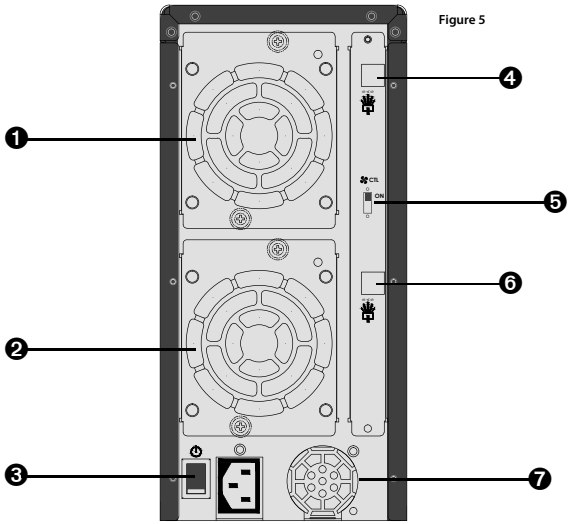
3 Fan Module Status/ASC Mode Indicator
Cooling fan module status for FAN 1(top) & FAN 2 (bottom).
Indicators will flash RED as a reminder when ASC mode is engaged.

4 System Power Indicator
System Power LED.

8 V2 System Overview - Rear

This section provides information on the rear features of your EB800MS V2.

Figure 5



ASC Mode
(Advanced Sound Control)

CTL
ON*
ASC (Quiet Mode)
OFF
Auto Control

*NOTE:
FAN LED indicators will flash when ASC mode is engaged. Fan speed will lock at 1200RPM (<20dBA).

As a safety precaution, your EB800MSV2 will generate an Alert reminder if the array exceeds 140°F (60°C).

1 Hot-swap Fan Module 1
Studio-quality low noise cooling module.

2 Hot-swap Fan Module 2
Studio-quality low noise cooling module.

3 Power Switch
ON/OFF system power switch

4 12G SAS Host Port 1 (Disk 1-4)
4x 12Gb/s SAS host connection (SFF8644). Connects to RAID controller Port 1. Controls disks 1 through 4.

5 ASC Control Switch
Advanced Sound Control switch. Select ASC mode (ON=Ultra Quiet) or Auto mode (OFF). Auto mode is recommended for most environments. Engage ASC mode when critical listening or sound control is required. Turn ASC OFF during breaks or during normal operation. Running ASC mode for extended periods can potentially overheat your array or damage the your drives.

6 12G SAS Host Port 2 (Disk 5-8)
4x 12Gb/s SAS host connection (SFF8644). Connects to RAID controller Port 2. Controls disks 5 through 8.

7 Universal Auto-Switching Power Supply
Power supply.

Quick start guide

9 PCi-e RAID Controller Installation

V2 has been designed to support high data rates required by today's non-linear editing, color grading and VFX systems. Proavio recommends installing your RAID controller in a 16x PCI-e slot for optimal performance. If your system does not have an available 16x PCI-e slot - a 8x slot may be used.

***NOTE:** PCI-e x8 Slots will reduce overall performance.

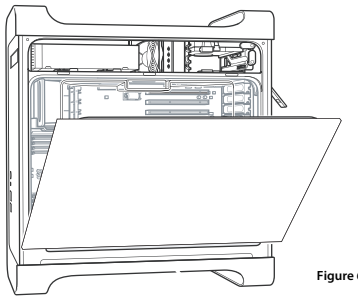


Figure 6

1. Touch the metal PCI slot covers on the back of your computer to discharge any static electricity.

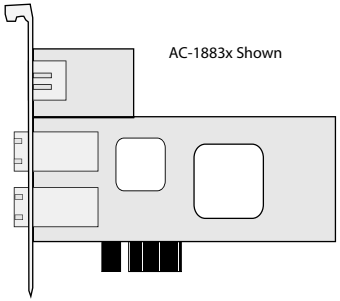
2. Unplug ALL cables from your computer, and remove the side access panel according to your system type.

> **WARNING:** Allow a few minutes for the internal computer components to cool down before opening your computer system.

10 PCI-e RAID Controller Installation - Cont'd

Your V2 features a RAID-ready JBOD architecture. This offers the best support for a wide range of host bus adapters & PCI-Express RAID controllers. Always follow your HBA/RAID controller's installation procedure to ensure proper operation.

Figure 7



Recommended PCI-e Slot Options Installation

1. **x16, PCI-e 3.0 (When using AC-1883x)**
2. **x8 PCI-e 3.0 (When using AC-1883x)**

ⓘ **Compatibility:** EB800MS V2 supports PCI-e 2.0 configurations, when used with a qualified controller.

11 HBA/RAID Controller Installation - Cont'd

Please follow your RAID controller's software driver installation process to ensure proper operation & a hassle free installation. Installation may require multiple software files such as product driver, Web UI, etc. Please read the included RAID controller installation manual carefully.

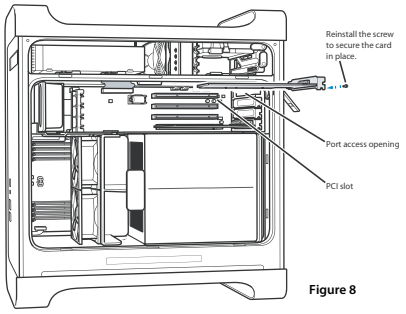


Figure 8

1. Remove the PCI-e slot cover plate from an available PCI-e slot. Consult your HBA or video capture card for recommended slot positions.

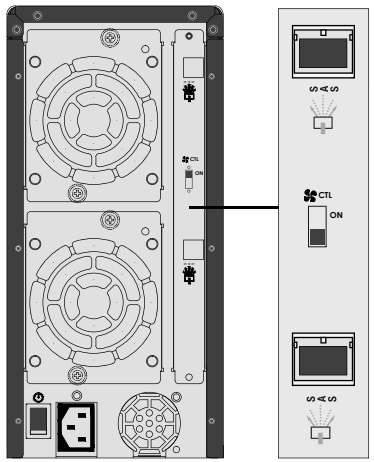
2. Install & secure your PCI-e controller into the card slot and firmly press the card into place.

3. Fasten the card in place and close your system panel.

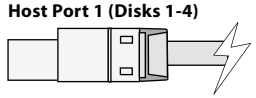
> **WARNING:** To minimize the chance of electrical shock, always follow proper safety rules when working with electrical components.

12 Connecting Your V2- Cable Connections

Ensure that both connectors are properly secured & fastened (locked). Most initial problems are related to poor cable connections.



Host Port 1 (Disks 1-4)



Host Port 2 (Disks 5-8)

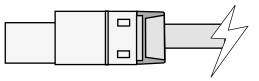
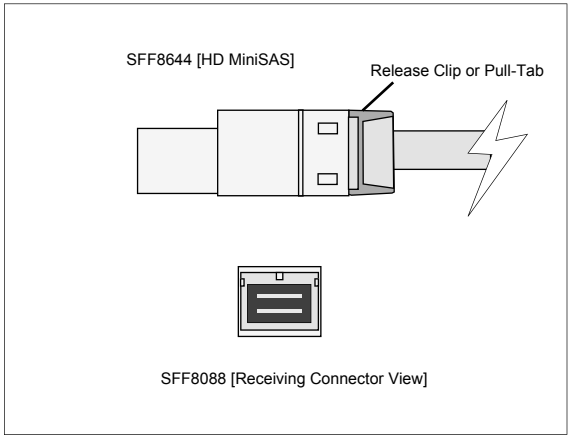


Figure 9

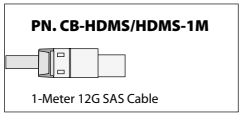
Quick start guide

13 12G SAS Cable Overview

Your EB800MS V2 features a next generation 12G SAS interface, using the new SFF8644 HD Mini-SAS connector. For 6G SAS/SATA configurations, please use a 12G-to-6G cable (SFF8644 to SFF8088).



Available Cable Options



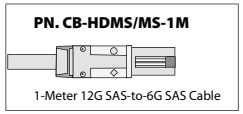
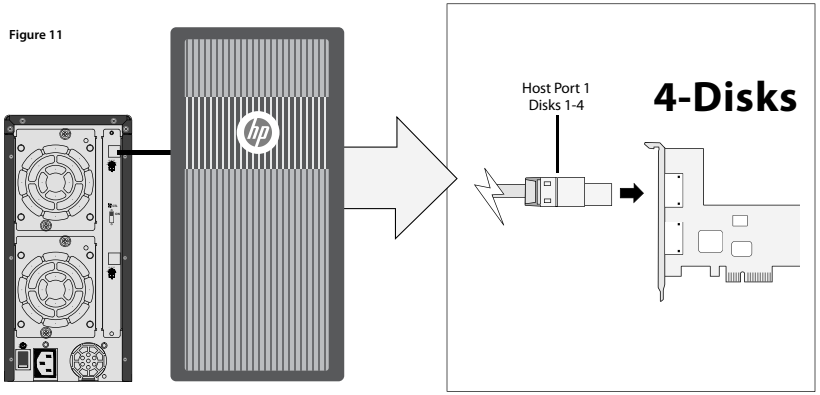


Figure 10

14 Connecting Your V2 - 4 Disk Configuration

EB800MS V2 features a 2-port, direct-connect, 8-channel I/O controller board. Port 1 carries disk channels 1 through 4, Port 2 carries disk channels 5 through 8. Connect Port 1 to your RAID adapter's Port 1 for a four-disk RAID configuration.

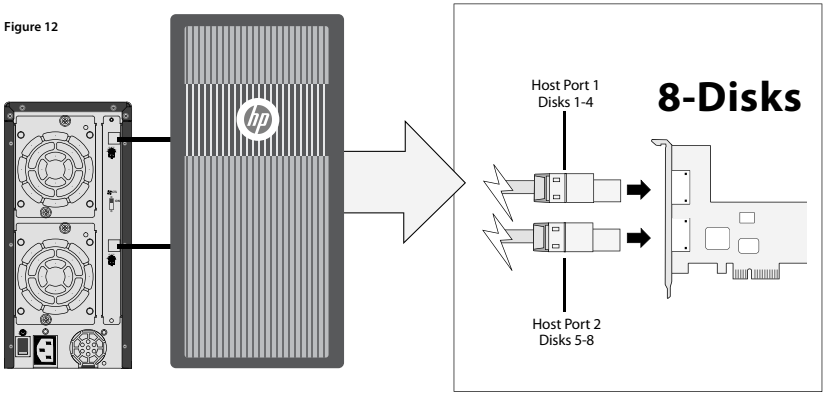
Figure 11



15 Connecting Your V2 - 8 Disk Configuration

Connect both data ports from your V2 to your RAID adapter's Port 1 and Port 2 inputs for eight-disk RAID configurations. Port 1 carries disk channels 1 through 4, Port 2 carries disk channels 5 through 8.

Figure 12



16 Connecting Your V2 - Thunderbolt

EB800MS V2 supports Thunderbolt 2 connectivity through the use of external SAS-to-Thunderbolt RAID Adapters such as the Highpoint Rocketstor 6328.

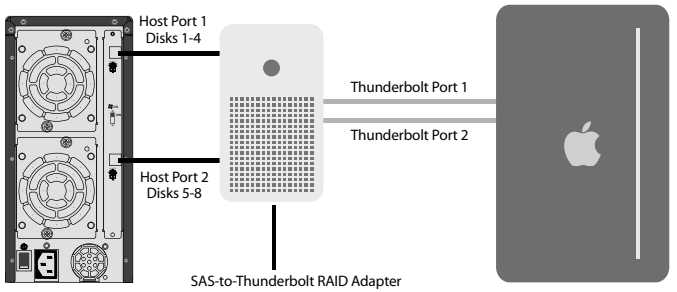


Figure 13

17 Technical Support

If you are experiencing an urgent issue, please contact your dealer or visit us online at www.proavio.com

Connection Problems:

Always double check for loose cable connections or improperly seated disk drives.

If the problem persists, please contact your dealer or contact Proavio's support department at 866-537-5140. If you are outside the US, please call us at +1 (562) 777-3488.

Support On the Web

Visit us online at www.proavio.com/index.php/support/technical-support/contact-support or go to www.proavio.com and click on the **LIVE HELP** button for assistance.

Our highly trained support team will help you find solutions to your technical questions. We are ready to help you with any product issues or hardware assistance.

Before You Call

Access to phone support for assistance with installation, setup, and product troubleshooting requires a valid product serial number.

Registering your product prior to calling support will help expedite your support issue. To register your product, please visit our registration area at:
www.proavio.com/productregistration/

Customers without a valid serial number may receive limited support. Service and support options are still available for customers without a valid serial number.

NOTE: Please have your product model and serial number (if available) ready when calling support.

World-wide Support Offices

Proavio/Enhance Technology USA
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Hours: Monday - Friday 8:30AM - 5:30PM PST

Proavio/Enhance Technology UK
Phone: +44-(0) 1952 260900
Hours: Monday - Friday 8:30AM - 5:30PM GMT

Proavio/Enhance Technology Italy
Phone: +39-039-6260916
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